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OM nucleic - nucleic search, using sw model

Run on: February 16, 2003, 17:00:49 ; Search time 194.042 Seconds  
(without alignments)  
10829.323 Million cell updates/sec

Title: US-09-497-967-102  
Perfect score: 1410  
Sequence: 1 atgaaacaatccctggat.....cttactaccgtctgtataaa 1410

Scoring table: IDENTITY\_NUC  
Gapoff 10.0 , Gapext 1.0

Searched: 2773584 seqs, 745158349 residues

Total number of hits satisfying chosen parameters: 5547168

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Pending\_Patents\_NA\_New:  
 1: /cgn2\_6/potodata/1/pna/PCT\_NEW\_COMBO\_seq:  
 2: /con2\_6/potodata/1/pna/US06\_NEW\_COMBO\_seq:  
 3: /cgn2\_6/potodata/1/pna/US07\_NEW\_COMBO\_seq:  
 4: /cgn2\_6/potodata/1/pna/US08\_NEW\_COMBO\_seq:  
 5: /con2\_6/potodata/1/pna/US09\_NEW\_COMBO\_seq:  
 6: /cgn2\_6/potodata/1/pna/US10\_NEW\_COMBO\_seq:  
 7: /cgn2\_6/potodata/1/pna/US60\_NEW\_COMBO\_seq:  
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	35.8	2.5	4863	1	Sequence 17, App1
C 2	35.4	2.4	584	5	Sequence 30, App1
C 3	34.4	2.4	2110	6	Sequence 1107, App1
C 4	34.4	2.4	37716	1	Sequence 505, App1
C 5	34.4	2.4	37716	6	Sequence 48, App1
C 6	34.4	2.4	555	6	Sequence 48, App1
C 7	34	2.4	1215	1	Sequence 26535, App1
B 8	34	2.4	1215	6	Sequence 2140, App1
C 9	34	2.4	6632	6	Sequence 38397, App1
C 10	33.8	2.4	849	5	Sequence 19769, App1
C 11	33.6	2.4	849	5	Sequence 19769, App1
C 12	33.6	2.4	2161	5	Sequence 1053, App1
C 13	33.6	2.4	2194	1	Sequence 11, App1
C 14	33.6	2.4	2230	5	Sequence 1052, App1
C 15	33.6	2.4	1009	6	Sequence 651, App1
C 16	33.2	2.4	1077	6	Sequence 43535, App1
C 17	33.2	2.4	1234	6	Sequence 1344, App1
C 18	33.2	2.4	3008	6	Sequence 75, App1
C 19	33.2	2.4	256	5	Sequence 3673, App1
C 20	32.8	2.3	495	5	Sequence 5605, App1
C 21	32.8	2.3	500	5	Sequence 14722, App1
C 22	32.8	2.3	1082	6	Sequence 4901, App1
C 23	32.8	2.3	3912	6	Sequence 281, App1
C 24	32.8	2.3	537	7	Sequence 41270, App1
C 25	32.6	2.3	3606	7	Sequence 144-771-41270, App1
C 26	32.6	2.3	1009	6	US-10-144-771-41270, App1

## ALIGNMENTS

RESULT 1  
US-10-293-865-17/C  
; Sequence 17, Application US/102938865  
; GENERAL INFORMATION:  
; APPLICANT: Nikolau, Basil J  
; APPLICANT: Wurtele, Eve S  
; APPLICANT: Oliver, David J  
; APPLICANT: Behal, Robert  
; APPLICANT: Schimmele, Patrick S  
; APPLICANT: Ke, Jinshan  
; APPLICANT: Johnson, Jerry L  
; APPLICANT: Allred, Carolyn C  
; APPLICANT: Fatland, Beth  
; APPLICANT: Lutziger, Isabelle  
; APPLICANT: Wen, Tsui-Jung  
; TITLE OF INVENTION: Materials and Methods for the Alteration of Enzyme and Plants  
; FILE REFERENCE: Acetyl CoA Levels in Plants  
; CURRENT APPLICATION NUMBER: US/10/293,865  
; CURRENT FILING DATE: 2002-11-13  
; PRIORITY APPLICATION NUMBER: US 09/344,882  
; PRIORITY FILING DATE: 1999-06-25  
; PRIORITY APPLICATION NUMBER: US 60/090,717  
; PRIORITY FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO: 17  
; LENGTH: 2017  
; TYPE: DNA  
; ORGANISM: Arabidopsis Thaliana  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1..(1000))  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1002)..(1598)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1521)..(1531)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1533)..(2017)  
; LENGTH: 2017;

**RESULT 2**  
PCT-IL02-00904-30/C  
; Sequence 30, Application PC/TIL02/00904  
; GENERAL INFORMATION:  
; APPLICANT: Levanon Frez et al.  
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR IDENTIFYING NATURALLY OCCURRING ANTISENSE  
; FILE REFERENCE: 02/25320  
; CURRENT APPLICATION NUMBER: PCT/IL02/00904  
; PRIORITY FILING DATE: 2002-11-11  
; PRIORITY APPLICATION NUMBER: US 09/718,407  
; PRIORITY FILING DATE: 2000-11-24  
; PRIORITY APPLICATION NUMBER: US 09/732,938  
; PRIORITY FILING DATE: 2000-12-11  
; PRIORITY APPLICATION NUMBER: US 09/785,439  
; PRIORITY FILING DATE: 2001-02-20  
; PRIORITY APPLICATION NUMBER: US 09/907,923  
; PRIORITY FILING DATE: 2001-07-18  
; PRIORITY APPLICATION NUMBER: US 09/993,398  
; PRIORITY FILING DATE: 2001-11-06  
; PRIORITY APPLICATION NUMBER: US 10/201,605  
; PRIORITY FILING DATE: 2002-07-24  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 30  
; LENGTH: 4863  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
PCT-IL02-00904-30

Query Match Score 2.5%; Pred. No. 7; Indels 0; Gaps 0;  
Best Local Similarity 44.9%; Mismatches 0; Matches 135; Conservative 0;

**RESULT 3**  
US-09-531-113-11107  
; Sequence 11107, Application US/09531113  
; GENERAL INFORMATION:  
; APPLICANT: Byrum, Joseph R.  
; APPLICANT: Heck, Gregory R.  
; APPLICANT: La Rosa, Thomas J.  
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With  
; FILE REFERENCE: 38-21(15761)B  
; CURRENT APPLICATION NUMBER: US/09/531,113  
; CURRENT FILING DATE: 2000-03-22  
; NUMBER OF SEQ ID NOS: 48629  
; SEQ ID NO: 11107  
; LENGTH: 584  
; TYPE: DNA  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: unsure at all n locations  
; OTHER INFORMATION: Clone ID: jc-gmf102220128610a1  
US-09-531-113-11107

Query Match Score 2.4%; Pred. No. 5.3; Indels 0; Gaps 0;  
Best Local Similarity 50.0%; Mismatches 86; Conservative 0; Matches 86;

**RESULT 4**  
US-10-225-567A-505  
; Sequence 505, Application US/10225567A  
; GENERAL INFORMATION:  
; APPLICANT: Lifespan Biosciences  
; APPLICANT: Brown, Joseph P.  
; APPLICANT: Burner, Glenna C.  
; APPLICANT: Roush, Christine L.  
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPT  
; FILE REFERENCE: 1920-4-4  
; CURRENT APPLICATION NUMBER: US/10/25,567A  
; CURRENT FILING DATE: 2001-12-19  
; PRIORITY NUMBER: 60/257,144  
; PRIOR FILING DATE: 2000-12-19  
; NUMBER OF SEQ ID NOS: 2292  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 505  
; LENGTH: 2110  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-225-567A-505

Query Match Score 2.4%; Pred. No. 9.5; Indels 0; Gaps 0;  
Best Local Similarity 48.5%; Mismatches 101; Conservative 0;

**RESULT 5**  
Qy 1 ATGAAAGACAACATCCTGGTGAATCTGTGATCATCTCTGGTCAACAGATCAAGTCATAAC 60  
Db 94 AFAAAGGCGAACATTGGTGAATTATGGGAAGAATGTGTTGGATATCAACAGCATCACCAGT 153

Qy 61 GCTAACACTGCTCTGGTGAACCCGAGAACACCCGCTGGAGAGGTGGACGCCACGGTGGAAAC 120  
Db 154 GTTAAGGGTGTCATGGAAACCGGCAATACATGGAGGTGGTGCACGGTACT 213

Qy 121 CCTGCTAACTGTGTGAACACTCTACTACAAACGCTGCTG 172  
Db 214 GCCTTGGGTCCCACATCCATCCATCACGTCACAGTCACAAAGGTGATG 265

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Query Match      2.4%;  Score 34.4;  DB 6;  Length 37716;
Best Local Similarity 52.0%;  Pred. No. 36;
Matches 77;  Conservative 0;  Mismatches 71;  Indels 0;

QY          866 ACAGGAACTACGGAGCTGAGGTACCCCTGGAGGTGCTTACCGCTTAAGGACTG
Db          445 ACTGCGAACCTATCNGTGCATCTGGTCAGTCTGGTCAGTCTGGTCATCATGATAAGTGTG
QY          926 ACATCGCTGTGCTGTGAGGAACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCTCTT
Db          365 ATTCGATGCCGTTATTGATAAAGTGGCTCGATTGTTCTTACCGGAATAT

QY          986 AGACCGAAGCTGTGAAGCTGTGTGCTGAACTGTGTGCTGAA 1013
Db          325 ACCATGATTGAGCAGTATCGTCNA 298

RESULT 7
US-10-144-771-26355
; Sequence 26355, Application US/10144771
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig
;   TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF
;   FILE REFERENCE: CL001321
; CURRENT APPLICATION NUMBER: US/10/144,771
; CURRENT FILING DATE: 2002-05-15
; NUMBER OF SEQ ID NOS: 47235
; SEQ ID NO: 26355
; LENGTH: 555
; TYPE: DNA
; ORGANISM: HUMAN
; US-10-144-771-26535

Query Match      2.4%;  Score 34;  DB 6;  Length 555;
Best Local Similarity 59.2%;  Pred. No. 6.8;
Matches 58;  Conservative 0;  Mismatches 40;  Indels 0;
QY          1108 GGAACCCGCTACCCGTAGTCGCCTAGTGTGCTGGAGTGCTCTGGAAACCGTGCTGAC
Db          54 GGAACCTGGTCACTGGTCACTCACAGTGTCTGGACAACCAATTAGGAACCAGCTTAC
QY          1168 GACGGAACACCTCTAACCTACAAAGGAGCTGCTCTGA 1205
Db          114 TAAGGAAACATCACCAGTACACATGAGTTCTCTGGAA 151

RESULT 8
PCT-US02-40225-2140
; Sequence 2140, Application PC/TUUS0240225
; GENERAL INFORMATION:
;   APPLICANT: Elittra Pharmaceuticals, Inc.
;   APPLICANT: Eroshkin, Alexey M.
;   APPLICANT: Zamudio, Carlos
; TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF CRYPTOCOCCUS
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 10182-021-228
; CURRENT APPLICATION NUMBER: PCT/US02/40225
; CURRENT FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: 60/341,261
; PRIOR FILING DATE: 2001-12-17
; NUMBER OF SEQ ID NOS: 3361
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 2140
; LENGTH: 1215
; TYPE: DNA
; ORGANISM: Cryptococcus neoformans
; US02-40225-2140

Query Match      2.4%;  Score 34;  DB 1;  Length 1215;
Best Local Similarity 57.5%;  Pred. No. 9.7;
Matches 61;  Conservative 0;  Mismatches 45;  Indels 0;

```



APPLICANT: Zhao, Qing A.  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Xue, Aidong J.  
; APPLICANT: Yang, Yonghong  
; APPLICANT: Wang, Jian-Rui  
; APPLICANT: Zhou, Ping  
; APPLICANT: Ma, Yungling  
; APPLICANT: Wang, Dunrui  
; APPLICANT: Wang, Zhwei  
; APPLICANT: John Tillinghast  
; DIMINAC, Radote T.  
TITLE OF INVENTION: Novel Nucleic Acids and  
; TITLE OF INVENTION: Polypeptides  
; FILE REFERENCE: 784C1P2B  
; CURRENT APPLICATION NUMBER: US/09/620,312D  
; CURRENT FILING DATE: 2000-07-19  
; PRIORITY APPLICATION NUMBER: 09/552,317  
; PRIOR FILING DATE: 2000-04-25  
; PRIORITY APPLICATION NUMBER: 09/488,725  
; PRIORITY FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 1105  
; SOFTWARE: pl\_FL\_genes Version 1.0  
; SEQ ID NO 1053  
; LENGTH: 2161  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (99) .(1907)  
US-09-620-312D-1053

Query Match Score 33.6; DB 5; Length 2161;  
Best Local Similarity 65.7%; Pred. No. 17; Indels 0; Gaps 0;  
Matches 48; Conservative 0; Mismatches 24; Gaps 0;

Qy 113 TGGGAACCCCTGCTTAACCTGTGTAACCTGAGAACACTTACTAACACGCTGCTG 172  
Db 568 TGGGAACTCTGTGCTGCCCTTGCGCAGATGGACTGCTGCATGACACAGCTG 627

Qy 173 CTTTCGTCGCTG 184  
Db 628 TCTTCCTGCCAG 639

RESULT 14  
PCT-US02-40718-11  
; Sequence 11, Application PC/TUS0240718  
; GENERAL INFORMATION:  
; APPLICANT: KOH, Sang Seok  
; APPLICANT: LIOU, Qing  
; APPLICANT: CHUNG, Hyun Ho  
; APPLICANT: ZENG, Wen  
; APPLICANT: LEE, Bowman  
; APPLICANT: YERRAMILLI, Subrahmanyam  
; APPLICANT: SONG, Si Young  
; APPLICANT: Gene Logic, Inc.  
; APPLICANT: LG Chem Ltd.  
; TITLE OF INVENTION: GENE EXPRESSION PROFILES IN LIVER DISEASE  
; FILE REFERENCE: 4492-5109-WO  
; CURRENT APPLICATION NUMBER: PCT/US02/40718  
; CURRENT FILING DATE: 2002-12-20  
; PRIORITY APPLICATION NUMBER: US 60/341,815  
; PRIOR FILING DATE: 2001-12-21  
; PRIORITY APPLICATION NUMBER: US 60/343,185  
; PRIOR FILING DATE: 2001-12-31  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 2194  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. 248475

PCT-US02-40718-11  
; Query Match Score 33.6; DB 5; Length 2230;  
; Best Local Similarity 66.7%; Pred. No. 17;  
; Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Liu, Chenguang  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Zhang, Jie  
; APPLICANT: Pei, Feiyian  
; APPLICANT: Chen, Rui-hong  
; APPLICANT: Zhao, Qing A.  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Xue, Aidong J.  
; APPLICANT: Wang, Yongqiong  
; APPLICANT: Wang, Jian Rui  
; APPLICANT: Zhou, Ping  
; APPLICANT: Ma, Yongqing  
; APPLICANT: Wang, Dunrui  
; APPLICANT: Wang, Zhiwei  
; APPLICANT: John Tillinghast  
; APPLICANT: Urmanac, Radjoje T.  
; TITLE OF INVENTION: Novel Nucleic Acids and  
; TITLE OF INVENTION: Polypeptides  
; FILE REFERENCE: 784C1P2B  
; CURRENT APPLICATION NUMBER: US/09/620,312D  
; CURRENT FILING DATE: 2000-07-19  
; PRIORITY APPLICATION NUMBER: 09/552,317  
; PRIOR FILING DATE: 2000-04-25  
; PRIOR APPLICATION NUMBER: 09/488,725  
; PRIOR FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 1105  
; SOFTWARE: pl\_FL\_genes Version 1.0  
; SEQ ID NO 1052  
; LENGTH: 2230  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (99) .(1976)  
US-09-620-312D-1052

Query Match Score 33.6; DB 5; Length 2230;  
Best Local Similarity 66.7%; Pred. No. 17;  
Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;  
; APPLICANT: Koh, Sang Seok  
; APPLICANT: LIOU, Qing  
; APPLICANT: CHUNG, Hyun Ho  
; APPLICANT: ZENG, Wen  
; APPLICANT: LEE, Bowman  
; APPLICANT: YERRAMILLI, Subrahmanyam  
; APPLICANT: SONG, Si Young  
; APPLICANT: Gene Logic, Inc.  
; APPLICANT: LG Chem Ltd.  
; TITLE OF INVENTION: GENE EXPRESSION PROFILES IN LIVER DISEASE  
; FILE REFERENCE: 4492-5109-WO  
; CURRENT APPLICATION NUMBER: PCT/US02/40718  
; CURRENT FILING DATE: 2002-12-20  
; PRIORITY APPLICATION NUMBER: US 60/341,815  
; PRIOR FILING DATE: 2001-12-21  
; PRIORITY APPLICATION NUMBER: US 60/343,185  
; PRIOR FILING DATE: 2001-12-31  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 2194  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. 248475

Search completed: February 17, 2003, 01:57:28  
Job time : 308.042 secs

